The World Runs on Machines.

We’re on a Mission to Make Them Reliable.
Machine Health is a Blindspot

Machine failures increase production line, plant-level, and company-level costs.

- Unexpected Downtime
- Production Loss
- Excessive Spare Parts Inventory
- High Maintenance Costs
- Limited Visibility into Machine Health
- Risk Exposure

Reliability Meets Artificial Intelligence

We are on a mission to make machines more reliable while keeping your facilities, utilities, and production lines running at their best. Augury’s technology places the power of artificial intelligence into the hands of engineers, reliability experts, and maintenance professionals, arming them with continuous insights to improve asset performance.

Our solution listens to machines, analyzes data in real-time, provides actionable machine health insights, helping protect production line assets as well as utility and balance of plant equipment.
The Complete Machine Health Solution

Increase uptime and equipment effectiveness while reducing risk and optimizing asset care.

Improve Uptime and OEE
Augury monitors your assets for early signs of malfunctions and helps you address emerging issues to significantly reduce unplanned downtime events and increase equipment availability.

Optimize Asset Care Programs
We enable your asset care teams to see developing issues in real-time, and to eliminate unnecessary tasks by planning corrective actions based on the actual condition of the machine.

Reduce Maintenance Costs
We help you prevent significant repair, replacement and labor costs and extend asset life by catching issues early, and providing accurate guidance on root causes and corrective actions.

Keep Your People Safe
Augury helps reduce risk of incidents by monitoring hard to reach, remote and dangerous equipment, while ensuring machines are working in their optimal modes for a safe work environment.

Inventory Planning with Insights
With the help of Augury’s PdM solution, your facility is able to free up working capital tied up in excess inventory, while ensuring you still have the right parts on hand when you need them.

Create Transparency and Visibility
Augury’s platform enables both the production floor and management by providing increased visibility and an understanding of what is going on with their assets, unlocking value up and down the organization.

The Impact of Digital Machine Health

Machine health is transformed soon after deploying Augury’s solution.
How We’re Different
Simple to deploy, adopt, and scale.

Value On Day One
Your team can start focusing on the assets that need immediate attention. Augury’s library consists of data on over 70,000 unique machines that assists with providing insights and value immediately after deployment.

Full Industrial IoT Stack Solution
Augury provides a full stack, machine diagnostics solution that includes industrial-certified hardware, software, diagnostics, and reliability support.

Integrate Into Your Workflow
We will integrate into your existing CMMS systems, enabling your team to prioritize and streamline workflow.

Ongoing Program Management
Close collaboration with dedicated account manager, customer success, reliability and 24/7 support teams to drive results.

Actionable Insights, Not Just Data
Receive actionable maintenance recommendations and advanced analytics that are easy to understand and based on the actual health of your machines.

Turnkey Deployment
We’ve done this before. Worry-free deployment includes hardware, software, installation, training, and ongoing support.

Simple Scalability
With our turnkey deployment, cloud-based solution, and flexible platform make it easy to scale from facility to facility within your organization.

Per Machine Subscription Model
Annual subscription takes the budgeting risk out of deployment at any scope. Pricing includes hardware, software, installation, and account management.
How Augury’s Solution Works

Augury’s end-to-end solutions provide industry leaders with early, actionable and comprehensive insights into machine health and performance.

**Connect**
Smart sensors monitor your machines 24/7

**Diagnose**
Algorithms diagnose malfunctions and provide alerts and recommendations

**Visualize**
Full visibility of machine health across your facility

World's Leading Machine Diagnostics

Augury combines AI-driven analysis of millions of machine signals with expert verification.

**Anomaly Detection**
"Anomaly detected, triggering analysis."

**Fault Analysis**
"Severe bearing wear identified, replace both motor bearings."

**Expert Verification**
"This is a recurring issue. An operational change is causing deterioration."
Machine Health Management

Compare health and performance across your portfolio and deep dive at the site level.

**Key Priorities**
Identify which assets need your immediate attention and resources.

**Machine Health Status**
Get a quick health snapshot of your whole asset portfolio.

**Facility Breakdown**
Compare health and performance across your portfolio and deep dive at the site level.

Asset-Level Diagnostics

Access in-depth insights at the machine level to understand root causes and corrective actions.

**Malfunction Cards**
See clear identification of the diagnosed malfunction, affected component and severity.

**Possible Causes**
Access a list of potential root causes at the component level.

**Maintenance Practices**
Receive suggested remediative actions, starting with simple tasks and progressing to more comprehensive responses.
Halo Hardware

Multi-sensor wireless end points and high capacity gateways cover critical assets across the facility.

**Tri-Axial Vibration**
- 160+ mechanical and electrical faults
- Early stage diagnostics
- Oversampling for Ultrasound

**Magnetic**
- Electrical fault diagnostics
- Accurate RPM measurement for variable speed equipment
- Operational conditions

**Sensor Fusion**
- Anomaly detection triggers deeper analysis
- Simultaneous sampling on the machine as a whole
- Holistic data acquisition on multiple machines to compare performance

**Low Power Vibration**
- Anomaly detection
- Power savings
- Operational conditions

**Temperature**
- Anomaly Detection
- Verification of mechanical diagnostics

**Gateway**
- 3/4g Cellular Connectivity WiFi and Ethernet enabled Edge computing and storage capabilities

ISO/ISE 27001:2013
Cover All Your Critical Assets

Wide coverage of process and utility rotating equipment.

- AHU’s
- Axial Fans
- Blow Molders
- Bottlers
- Cappers
- Centrifugal Chillers
- Centrifugal Compressors
- Centrifugal Fans
- Centrifugal Pumps
- Chillers
- Compressors
- Conveyors
- Cooling Towers
- Dryers
- Electric Motors
- Extruders
- Fans
- Fillers
- Gear Pumps
- Labelers
- Main Drives
- Mixers
- Mills
- Screw Chillers
- Screw Compressors
- Screw Pumps
- Servo Motors
- Vacuum Pumps

Predict Machine Failure

Automatic diagnostics of most machine malfunctions.

- Abnormal Ultrasound Emissions
- Abnormal Vibration Emissions
- Axial Unbalance
- Bearing Lubrication Issues
- Bearing Wear
- Beat Frequency
- Blade Pass Frequency
- Cavitation
- Damaged Rotor Bars
- Electrical Faults
- Electrical Discharge Through Bearing
- Gear Friction
- High Vibrations Relative Baseline
- Impacting
- Loose Connections
- Loose Rotor Bars
- Loose Stator Windings
- Misalignment
- Operational Issues
- Pipe Strain
- Pump Recirculation
- Radial Unbalance
- Resonance
- Rotating Mechanical Looseness
- Rotor Eccentricity
- Rotor Mesh
- Rubbing or Friction
- Shaft Eccentricity
- Significant Change in Vibrations
- Stall/Surge Condition
- Stator Eccentricity
- Structural Mechanical Looseness
- Trend Alert
- Vane Pass Frequency
- Very High Vibrations
- Worn/Defective Belts
- Worn/Eccentric Fan Sheave
- Worn/Eccentric Motor Sheave

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